

Name: _____

Date: _____

Combining Like Terms Worksheet**Part One:** Simplify each expression completely. Write each answer in standard form.

1. $5t + 3t$	2. $8 - 5y + 2y - 9$	3. $2w^2 + 2 + w + 8w^2$
4. $4x^2 + 2x + 8x^2 + 9x^2$	5. $6a - 5a + 3a + a + 9a$	6. $8x^3 + 12x^3 + 8x^2 + 9x$
7. $9(2y^2 + y) - 7y^2$	8. $x(x^2 + 4x) - 2x^2$	9. $a^4b^3 + 3a^3b^4 + 10a^4b^3$

Part Two: Mixed Review

10. Factor: $5x - 20$	11. Factor: $3x^2 + 9x$	12. Factor: $4a^2b - 16ab^2 + 24ab$
13. Name the polynomial: $a + 9$	14. Name the polynomial: $8x^2 - 2x + 6$	15. Name the polynomial: $9x^8$

